

□ □ □ □ □ □ □ □ □ □

□ □ □ □ □ □

[illegible]

1949 leukotomy

[illegible][illegible][illegible][illegible][illegible]

□ □

1. **Gödel's incompleteness theorems** **Gödel's incompleteness theorems**
2. **Turing's halting problem**
3. **Chaitin's constant** **Chaitin's constant**
4. **Gödel's incompleteness theorems**
5. **Gödel's incompleteness theorems** **Gödel's incompleteness theorems**
6. **Gödel's incompleteness theorems**
7. **Grigori Perelman** **Poincaré conjecture** **Poincaré conjecture**
8. **Demis Hassabis** **AlphaGo Zero** **intuition** **intuition** **Demis Hassabis** **AlphaGo Zero** **intuition** **AlphaGo Zero** **intuition** **a meta-solution to any problem**
9. **AlphaGo Zero** **Nature** **superhuman performance** **superhuman performance**

10. **motif**

11. 在Python中，字符串“truth”和变量truth是否相等？为什么？

12. The Selfish Gene – The Immortal Gene

13. Austrian School

14. □□□□□□□□□□□□□□**logical positivism** □ **logical empiricism**□□□□□□□□□□
□□

15. Turing Test SAE level 4 level 5

16. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

17. Turing Machine **deterministic, probabilistic, etc.** **deep-learning** **deep residual networks** **generative adversarial networks, etc.**

18. encoder-decoder, attention, transformer, BERT

19.

20.

[illegible][illegible]

Freeman Dyson

[illegible][illegible]

□□□□□□□ Nature □□□ AlphaGo Zero □ AlphaGo Master □□□□□□□□□□□□□□□□□□□□
□□

game

fight-or-flight
AlphaGo Zero retire fight-or-flight

SAE level 5 SAE level 4

common core
common core